

# Integral Blinds Roof Window

The Keylite Integral Blind Roof Window range features a factory fitted blind that is permanently sealed within the energy efficient double glazing unit.



## Features

- ▶ **Factory Fitted Blind** - Due to the blind being sealed within the glazing unit it requires **no cleaning** as it is housed in an entirely dust free environment thus making it ideal for hospitals and other sterile/hygienic environments.
- ▶ **Enhanced Sun Shading** - The blind consists of dim out fabrics to help reduce the glare of the sun ensuring human comfort levels can be maintained within the room.
- ▶ **Multiple Application** - The integral blind can be operated either manually or electrically and is available throughout the Keylite Roof Window range in standard sizes only. The manual blind is available in black out fabric while our electric blind is available in dim out fabric only.
- ▶ **Integrated Thermal Collar** - Unlike other roof windows, Keylite's thermal collar is integrated into the frame. The collar is activated by simply pulling the release tabs for a fast insulation solution, combating cold bridging.
- ▶ **Flick-Fit Brackets** - Keylite's unique Flick-Fit brackets are prefitted so you can lift the window straight from the box to the roof and simply select the setting for tile or slate.
- ▶ **Click-Fit Hood** - Simply click the hood under the hood hooks and secure into position by clicking the hood in at each end. The cover flashings now require 50% fewer screws than before.
- ▶ **Maintenance Free Hinge** - The hinge being the most vital component of the window, is the only operational part that moves. Keylite has eliminated the maintenance requirement of this component.
- ▶ **Sash Finger Springs** - The sash hinge finger spring allows the sash to be installed back into the frame in one smooth effortless motion.
- ▶ **Recessed Fit as Standard** - Every Keylite Roof Window is recessed as standard, sitting lower in the roof than ever before.
- ▶ **New Profile Hood** - Keylite's new hood features a more sculptured design, enhancing its appearance in the roof.
- ▶ **Warm Edge Glazing** - Every Keylite Roof Window now has a warm edge glazing unit as standard, to enhance the windows performance and reduce the occurrence of condensation.
- ▶ **Ventilation handle** - Keylite's slimline ventilation handle has a new contemporary style, designed to provide comfortable opening of both the window and the ventilation handle.
- ▶ **All Weather Ventilation** - Keylite Roof Windows all provide trickle ventilation, even with the window fully closed and securely locked. The built in ventilation filter ensures no insects pass into the room, only clean fresh air.

## Application

- ▶ Keylite recommend installing the window so that the frame top is between 1.85m - 2.20m above the floor for ease of operation.
- ▶ For installation of roof windows above 2.2m Keylite also recommend electrical operation and a laminated inner safety pane.

## Operation

- ▶ **TCP/WCP/PCP** - The Keylite Centre Pivot Roof Window is operated manually as standard, through the full width use of our ventilation handle, located along the top of the sash. Electric operation is also available as an additional accessory.
- ▶ **PTH/PFE WTH/WFE TTH/TFE** - The Keylite Top Hung/Fire Escape roof window is operated manually as standard, through rotating the handle, located along the bottom of the sash.

## Guarantee

- ▶ **10 Years** - Keylite's hassle free guarantee on windows, flashings and Integral blind.
- ▶ **3 Years** - Keylite's hassle free guarantee on blinds, accessories and electrics.

## Installation and Accessory Products

- ▶ **Flashings**
  - Single Installation:
    - Tile (TRF)
    - Deep Tile (DTRF)
    - Slate (SRF)
    - Plain Tile (PTRF)
    - Corrugated Roof (CRF)
  - Combination Installation:
    - Combi Tile (CTRF)
    - Combi Slate (CSRf)
    - Combi Plain Tile (CPTRF)
    - Bi-Lite Tile (BLTRF)
    - Bi-Lite Slate (BLSRF)
    - Quad Lite Tile (QLTRF)
    - Quad Lite Slate (QLSRF)
- ▶ **Additional Installation Products** -
  - Underfelt Collar (FC)
  - Vapour Collar (VC)
- ▶ **Accessories** -
  - 2 metre window pole (WP2)
  - 3 metre window pole (WP3)
  - Solar Powered electric kit (SPEK)\*
  - Premium electric kit (PEK)\*
  - Standard electric kit (SEK)
  - Opening restrictor (OR)
  - Security lock (SL)
- ▶ **Blinds** -
  - Dim out Blind (D)
  - Black out Blind (B)

\*Available on CP windows ONLY

## Finish Options

- ▶ **Interior** - Pine (T)  
White (W)
- ▶ **Exterior** - Grey  
Conservation Black (CW)





(nominal) WxH mm	550x780	550x980	660x1180	780x980	780x1180	780x1400	940x1600	1140x1180	1340x980
<b>Centre Pivot Roof Window with Manual Integral Blind</b>									
<b>PINE FINISH</b>	TCP 01 I	TCP 02 I	TCP 03 I	TCP 04 I	TCP 05 I	TCP 06 I	TCP 07 I	TCP 08 I	TCP 09 I
<b>WHITE FINISH</b>	WCP 01 I	WCP 02 I	WCP 03 I	WCP 04 I	WCP 05 I	WCP 06 I	WCP 07 I	WCP 08 I	WCP 09 I
<b>Top Hung/Fire Escape Roof Window with Manual Integral Blind</b>									
<b>PINE FINISH</b>		TTH 02 I	TFE 03 I	TFE 04 I	TFE 05 I	TFE 06 I	TFE 07 I	TFE 08 I	TFE 09 I
<b>WHITE FINISH</b>		WTH 02 I	WFE 03 I	WFE 04 I	WFE 05 I	WFE 06 I	WFE 07 I	WFE 08 I	WFE 09 I
<b>Electrical Upgrades for Integral Blind Windows</b>									
* <b>Manual Windows, Electrical Blind, Centre Pivot</b>	01 EIR/EIS	02 EIR/EIS	03 EIR/EIS	04 EIR/EIS	05 EIR/EIS	06 EIR/EIS	07 EIR/EIS	08 EIR/EIS	09 EIR/EIS
** <b>Std Elec Window, Electrical Blind, Centre Pivot only</b>	01 EI SEK	02 EI SEK	03 EI SEK	04 EI SEK	05 EI SEK	06 EI SEK	07 EI SEK	08 EI SEK	09 EI SEK
*** <b>Prem Elec Window, Electrical Blind, Centre Pivot only</b>	01 EI PEK	02 EI PEK	03 EI PEK	04 EI PEK	05 EI PEK	06 EI PEK	07 EI PEK	08 EI PEK	09 EI PEK

\*EIR blind operates via remote EIS operates via hard wired switch \*\*SEK kit operates both window and blind via individual wall mounted switches

\*\*\*PEK is supplied with rain sensor function and remote control for window and blind.

Note: Other sizes are available, please contact the Keylite Sales Team for details of full range.

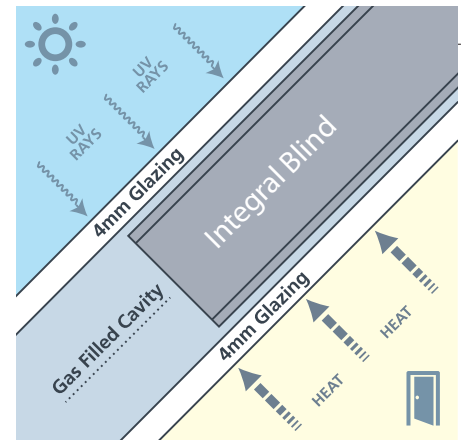
## Thermal Performance

		Thermal [T]
<b>Window U value</b>	Uw [W/m <sup>2</sup> K]	1.3
<b>Centre pane U value</b>	Ug [W/m <sup>2</sup> K]	1.1

## Glazing Option

Glazing Option - Results			
UV	Transmittance (%)	$\tau_{uv}$	44
Light	Transmittance for standard illuminant D65 (%)	$\tau_v$	82
	Reflectance for standard illuminant D65 (%) <sup>(*)</sup>	$\rho_v$	12
	Reflectance for standard illuminant D65 (%) <sup>(**)</sup>	$\rho_v$	12
	General colour rendering index (%)	Ra	98
Energy	Solar direct transmittance (%)	$\tau_e$	58
	Solar direct reflectance (%) <sup>(*)</sup>	$\rho_e$	28
	Solar direct reflectance (%) <sup>(**)</sup>	$\rho_e$	27
	Solar direct absorption (%) <sup>(*)</sup>	a	14
	Total solar energy transmittance (Solar Factor) EN410 (%) <sup>(*)</sup>	qi	64
	Shading coefficient (+g_DIN/0.87) <sup>(*)</sup>	g	0.74

(\*) Incident Radiation from the outside (\*\*) Incident Radiation from the inside



## Keylite Integral Glazing

- ▶ 4mm Toughened Outer Pane
- ▶ 22mm Argon Gas Filled Cavity
- ▶ 4mm Toughened Inner Pane

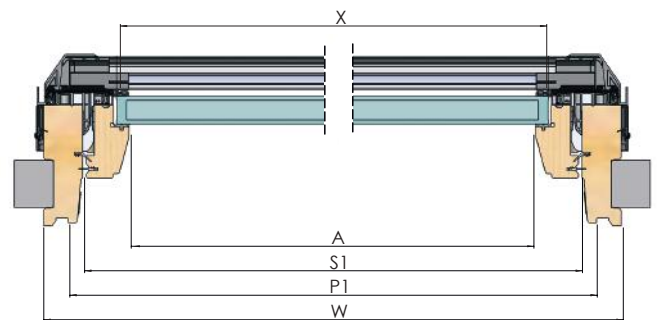
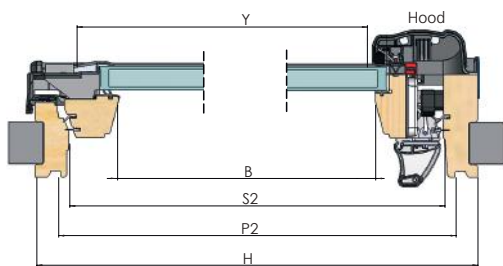
## Maintenance

- ▶ The glazing pane of a Keylite Integral Roof Window can be cleaned with a soft, clean cloth/chamois or non-metal squeegee. Clean water will be sufficient for cleaning the pane.
- ▶ The sash can be rotated through 180° where the outer pane can become available for cleaning once locked in position using the plastic locking mechanism located along the top of the sash.

**Technical Information**

Window Type	Window Size	External Frame Size		Sash Size		Glazing Size		Visible Glazing Size		Plasterboard		Natural Daylight Area (m <sup>2</sup> )	Equivalent Ventilation Area (mm <sup>2</sup> )	Structural Opening Size Required	
		(mm)		(mm)		(mm)		(mm)		(mm)				(mm)	
		W	H	S1	S2	X	Y	A	B	P1	P2	W	H		
I	01	550	780	460	690	396	593	370	558	496	720	0.206	3,879	590	820
I	02	550	980	460	890	396	793	370	758	496	920	0.280	3,879	590	1020
I	01C	550	1180	460	1090	396	993	370	958	496	1120	0.354	3,879	590	1220
I	03	660	1180	570	1090	506	993	480	958	606	1120	0.460	4,658	700	1220
I	04	780	980	690	890	626	793	600	758	726	920	0.455	6,567	820	1020
I	05	780	1180	690	1090	626	993	600	958	726	1120	0.575	6,567	820	1220
I	06	780	1400	690	1310	626	1213	600	1178	726	1340	0.707	6,567	820	1440
I	07F	9401	1400	9311	1310	786	1213	760	1178	886	1340	0.895	7,914	9441	1440
I	07	940	1600	850	1510	786	1413	760	1378	886	1540	1.047	7,914	980	1640
I	08	1140	1180	1050	1090	986	993	960	958	1086	1120	0.920	9,597	1180	1220
I	09	1340	980	1250	890	1186	793	1160	758	1286	920	0.879	11,281	1380	1020
I	10	1340	1400	1250	1310	1186	1213	1160	1178	1286	1340	1.366	11,281	1380	1440

**Cross Section**



**GB**  
Unit 3 Gateway Road, Burton Gateway,  
Burton upon Trent, DE13 8FL

T: +44 (0) 1283 200 158  
E: info@keyliteuk.com

**NI & ROI**  
Derryloran Industrial Est. Sandholes Road,  
Cookstown, Co. Tyrone, BT80 9LU

T: +44 (0) 28 8675 8921  
E: info@keylite.co.uk